achv
AIR CONDITIONING, HEATING & VENTILATING
INCLUDING THE AMERICAN PLUMBING ENGINEER

INDEX TO FEATURE ARTICLES - 1967

Only feature articles (including Data Sheets) are listed in this index, grouped by broad subject matter and by author. Abbreviation Ref. Sec. (for Reference Section) indicates that the article appeared as a special section providing a comprehensive review of the state of the art of the subject indicated; TAPE indicates that the article appeared in The American Plumbing Engineer, a section of ACHV which is the journal of American Society of Plumbing Engineers.

INDEX BY SUBJECT

ABSORPTION MACHINES

Direct-Fired Absorption Machine Heats and Cools Simultaneously, May 67:G-23.

ACOUSTICS

Simplify Your Calculations for Quiet Fan Systems, Jan 67:69.
A Solution to the Noise Control Problem, Apr 67:87.

AIR CLEANING

Electronic System to Purify Air in New Garden, Apr 67:91.

AIR CONDITIONING

Air Flow and Conditioning: Chapter 5-Design of Duct Systems, Mar 67:91.
All-Electric Packaged Terminal Air Conditioners, Oct 67:75.
Analysis of Terminal Unit Air Conditioning Systems (Ref. Sec.) Jan 67:22.
Analyzing Sunhood Configurations for Sun Control, Feb 67:41.
Charts Simplify Interior Zone Air Conditioning Design, July 67:55.
Direct-Fired Absorption Machine Heats and Cools Simultaneously, May 67:G-23.
Economics of a Total Energy Analysis, May 67:G-11.
Engine and Compressor Supply Both Decks of Dual Duct Air Conditioning System, May 67:G-69.
Engine Drives for Compressors Come of Age, May 67:G-17.
Fan Coil Unit Systems (Ref. Sec.), Feb 67:49.
Foam Insulation Solves Multiple Problems in Apartment Building Air Conditioning, Dec 67:81.
For Maximum Flexibility, Control with Bypass, Apr 67:75.
Gas Heats and Cools Tennessee Apartment Building, Jan 67:85.
Gasmanship, May 67:G-84.
Modern Air Conditioning System for Traditional Japanese Theater, Aug 67:82.
More Bypass Controls, June 67:81.
On-Off Control Methods That Do the Job, Feb 67:71.
Optimizing Compressor Operation, Sept 67:42.
Owner-Developer Praises All-Electric Construction, Apr 67:84.
Pay Attention to the Humidity Too, July 67:49.
Simple Reheat Control, Mar 67:103.
Sixteen Units Provide Church with Flexible Environmental System, May 67:G-92.
Standby Criteria for Computer Conditioning, Apr 67:60.
Valves in Chilled Water Systems, Mar 67:58.

AIR DISTRIBUTION

Analysis of Terminal Unit Air Conditioning Systems (Ref. Sec.), Jan 67:22.
A Case for Super-Interceptor Filters in Hospitals, Sept 67:47.
Integrated Building Design: Ducts Through the Vierendeels, May 67:37.

AIR FILTERS

A Case for Super-Interceptor Filters in Hospitals, Sept 67:47.

AIR HANDLING

Air Flow and Conditioning: Chapter 5-Design of Duct Systems, Mar 67:91.
Closing the Gap Between Design and Performance in Hospital Air Handling Systems, Mar 67:111.
Simplify Your Calculations for Quiet Fan Systems, Jan 67:69.

AIR POLLUTION CONTROL

Design for Air Pollution Control
Cleaning Boiler Flue Gas by Wet Scrubbing, Nov 67:10.
Efficiency and Practicality, Sept 67:16.
Engineers and the Law, May 67:6.
The Manufacturer Views Air Pollution, Dec 67:17.
Preparing for Compliance, June 67:18.
Particle Size is the Key, July 67:8.
Wet Scrubbers, Aug 67:17.

APARTMENT HOUSES

Foam Insulation Solves Multiple Problems in Apartment Building Air Conditioning, Dec 67:81.
Gas Heats and Cools Tennessee Apartment Building, Jan 67:85.
Habitat '67: Hydraulics "Happening", July 67:33.
Utility Sells Steam and Chilled Water to High-Rise Building Project, Sept 67:61.

ARCHITECTS

The Ideal Architect-Engineer Relationship, Nov 67:37.

ASBESTOS-CEMENT PIPE

Cost Estimating Building Service Systems 17: Piping Charts -- Asbestos-Cement, Sept 67:59

BOILERS

Electronic-Hydronic Boilers for Steam or Water Systems, Oct 67:92.
How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.
New Type Control Sequences Boiler Bank, May 67:G-83.
Package Generators Provide Dependable Operation at Aerospace Manufacturing Plant, Apr 67:92.

BOILERS, CORROSION

Latest from Europe, Apr 67:16.

BOILERS, ELECTRIC

High-Voltage Electrode Boilers for Space Heating, Oct 67:52.

BUILDING ENTRANCES

Heating the Building Entrance, Oct 67:63.

CAST IRON PIPE

Cost Estimating Building Service Systems
18: Piping Charts-Cast Iron Ball and Spigot Water Pipe, Nov 67:41.
19: Piping Charts-Mechanical Joint Water Pipe, Dec 67:76.

CHIMNEYS

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.

CHURCHES

Sixteen Units Provide Church with Flexible Environmental System, May 67:G-92.

COAL FIRING

How to Design Steam and High Temperature Water Systems (Ref. Sec.) Dec 67:45.

COMBUSTION CONTROL

How to Design Steam and High Temperature Water Systems (Ref. Sec.) Dec 67:45.

COMPRESSED AIR

CO Removal From Compressed Air, July 67:36.
Valves in Compressed Air and Processed Gas Systems, Mar 67:80.

COMPRESSION TANK

Latest from Europe, Jan 67:16.

COMPRESSORS

Compressor, Chiller Development Outlined in First of Series of Pre-Show Articles, Oct 67:37.
A Decade of Reciprocating Compressors, Condensing Units and Water Coolers, Nov 67:23.
Engine Drives for Compressors Come of Age, May 67:G-17.
Optimizing Compressor Operation, Sept 67:42.
A Panorama of Refrigeration at Kodak, Jan 67:63.

COMPUTERS

The Engineer's Computer, Apr 67:62.
Fire Protection for Computers, Apr 67:66.
Latest from Europe, Aug 67:12.
Standby Criteria for Computer Conditioning, Apr 67:60.

CONDENSATION

Condensation in Underground Spaces and Machinery, Sept 67:53.

CONDENSING UNITS

A Decade of Reciprocating Compressors, Condensing Units and Water Coolers, Nov 67:23.

CONDUCTRON

AGA Pushes Production of New Air Conditioners, May 67:G-79.

CONTROLS

Centralization of Campus Controls, July 67:39.
Coils and Controls for Close Humidity Tolerances, Aug 67:79.
Condensation in Underground Spaces and Machinery, Sept 67:53.
Electric Resistance Heating Systems and Controls, Oct 67:55.
For Maximum Flexibility, Control with Bypass, Apr 67:75.
More Bypass Controls, June 67:81.
New Type Control Sequences Boiler Bank, May 67:G-83.
On-Off Control Methods That Do the Job, Feb 67:71.
Pay Attention to the Humidity Too, July 67:49.
Simple Reheat Control, Mar 67:103.
Solid State Controls for Electric Heating, Oct 67:87.

CONVERTERS

Equipment Scheduling, Jan 67:109.

COOLING TOWERS

Cavitation, Velocity and Liquid Level, Dec 67:74.
Use of Stainless in Skyscraper Cooling Towers Prolongs Service Life, Sept 67:62.

CORROSION

Soil Corrosion of Cast Iron Pipe, Jan 67:88.

COST ESTIMATING

Cost Estimating Building Service Systems
13: Earthwork, Mar 67:101.
14: Earthwork-Excavation Disposal, Apr 67:73.
15: Earthwork-Concluded, June 67:77.
16: Yard Service Lines, July 67:47.
17: Piping Charts-Asbestos Cement, Sept 67:59.
18: Piping Charts-Cast Iron Bell & Spigot Water Pipe, Nov 67:41.
19: Piping Charts-Mechanical Joint Water Pipe, Dec 67:76.

CYCLONE SEPARATORS

Design for Air Pollution Control: Particle Size is the Key, July 67:8.

DEHUMIDIFICATION

Coils and Controls for Close Humidity Tolerances, Aug 67:79.
Pay Attention to the Humidity Too, July 67:49.

DISTILLED WATER

Distilled Water (TAPE), Dec 67:95.

DISTRICT COOLING

Latest from Europe, Mar 67:12.

DISTRICT HEATING

Latest from Europe, Mar 67:14.

DISTRICT HEATING AND COOLING

Utility Sells Steam and Chilled Water to High-Rise Building Project, Sept 67:61.

DRAINAGE

Britain's Single-Stack Drainage System, Apr 67:77.
Plumbing the Helistop Facility (TAPE), Oct 67:103
Subsurface Drainage, Aug 67:71.

DUCT HEATERS

The Facts About Electric Duct Heaters, Oct 67:59.

DUCTED AIR DISTRIBUTION

Air Flow and Conditioning: Chapter 5-Design of Duct Systems, Mar 67:91.
Charts Simplify Interior Zone Air Conditioning Design, July 67:55.
A Solution to the Noise Control Problem, Apr 67:87.

EARTHWORK

Cost Estimating Building Service System-13: Earthwork, Mar 67:101.

EDUCATIONAL BUILDINGS

Centralization of Campus Controls, July 67:39.
Plumbing for Schools and Universities, July 67:51.
Skylight Ventilation Facilitates School Expansion, Sept 67:61.

ELECTRIC ENERGY

All-Electric Packaged Terminal Air Conditioners, Oct 67:75.
Electric Heating Rates and Selling Practices, Apr 67:94.
Energy Costs for the All-Electric Building, Oct 67:72.
Energy for Industrial Air Conditioning, Sept 67:55.
Large-Volume Generation of Service Hot Water, Oct 67:45.
Owner-Developer Praises All-Electric Construction, Apr 67:84.

ELECTRIC HEATING & COOLING

Energy Costs for the All-Electric Building, Oct 67:72.

ENERGY USAGE

Energy for Hospitals, Sept 67:49.

ENVIRONMENTAL CHAMBERS

Fire Protection and Prevention in Man-Rated Pressure Chambers (TAPE), Nov 67:90.

EXCAVATION

Cost Estimating Building Service Systems
14: Earthwork-Excavation Disposal, Apr 67:73.
15: Earthwork-Concluded, June 67:77.

FAN COIL UNITS

Fan Coil Unit Systems (Ref. Sec.), Feb 67:49.
Slope-Top Fan Coil Units Give Better Air Flow in Hospital Rooms, Apr 67:93.

FANS

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.
Simplify Your Calculations for Quiet Fan Systems, Jan 67:69.

FEEDWATER SYSTEMS

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.

FIBERGLASS REINFORCED PLASTIC

FRP Bathrooms for New Jersey Hospital, Feb 67:75.

FIRE PROTECTION

Fire Protection for Computers, Apr 67:66.
Fire Protection and Prevention in Man-Rated Pressure Chambers (TAPE), Nov. 67:90.
Latest from Europe, May 67:12.
Valves in Plumbing and Fire Protection Systems, Mar 67:74.

FLAME, CONTROL

Latest from Europe, Jan 67:16.

FLUID FLOW

Nomograph for Bernoulli's Theorem, Feb 67:68.

FOUNTAINS, DISPLAY

Display Fountain Design, June 67:65.

GAS COMBUSTION

Latest from Europe, Apr 67:16.

GAS ENERGY

Direct-Fired Absorption Machine Heats and Cools Simultaneously, May 67:G-23.
Economics of a Total Energy Analysis, May 67:G-11.
Gas Heats and Cools Tennessee Apartment Building, Jan 67:85.
Turbine Meter Checks Estimates of Total Energy Plant Savings, May 67:G-75.

GAS ENGINES

Engine and Compressor Supply Both Decks of Dual Duct Air Conditioning System, May 67:G-69.
Engine Drives for Compressors Come of Age, May 67:G-17.
Service for Engine-Driven Refrigeration, May 67:G-58.

GAS PIPING

Gas Engineer's Handbook: Chapter 2-Piping in Buildings, May 67:G-41.

GAS PRIME MOVERS

AGA Pushes Production of New Air Conditioners, May 67:G-79.

GAS TURBINE

Gas Turbine Total Energy System, May 67:G-88.

GROUND WATER

Ground Water, Aug 67:39.
Recharge Wells, Aug 67:59.
Terminology (Ground Water), Aug 67:41.
Water Well Pumping Systems, Aug 67:52.
Well Design and Construction, Aug 67:48.

HEART UNITS

Latest from Europe, June 67:22.

HEAT RECOVERY

The Economics of Heat Recovery Systems, June 67:59.
Heat Recovery System Yields Economies at All-Electric Plant, Feb 67:73.

HEAT TRANSFER

Analyzing Sunhood Configurations for Sun Control, Feb 67:41.
Nomographs for Quick Equation Solving, Feb 67:55.

HEATING

Equipment Scheduling, Jan 67:109.
High-Voltage Electrode Boilers for Space Heating, Oct 67:52.
Individual Furnaces Solve Elementary School's Budget Problem, May 67:G-63.
Infrared Transforms the Bus Stop, May 67:G-59.
Latest from Europe, Jan 67:16; July 67:13.
Valves in Hot Water Heating Systems, Mar 67:63.
Valves in Steam Heating Systems, Mar 67:68.

HEATING, ELECTRIC

Details of Off-Peak Electric Hot Water Heating, Apr 67:82.
The Economics of Heat Recovery Systems, June 67:59.
Electric Heating Rates and Selling Practices, Apr 67:94.
Electric Resistance Heating Systems and Controls, Oct 67:55.
Electrical Components for Environmental Control, Oct 67:44.
The Facts About Electric Duct Heaters, Oct 67:59.
Field Report from Users of Electric Heat, Apr 67:83.
Heat Recovery Systems Yields Economies at All-Electric Plant, Feb 67:73.
Heating the Building Entrance, Oct 67:63.
Latest from Europe, Feb 67:10; Mar 67:14.
New Electrode Heater Eliminates Metallic Contacts, Oct 67:71.
Solid State Controls for Electric Heating, Oct 67:87.

HEATING, GAS

Latest from Europe, Feb 67:10.

HEATING, HOT WATER

Details of Off-Peak Electric Hot Water Heating, Apr 67:82.
Electric-Hydronic Boilers for Steam or Water Systems, Oct 67:92.
High-Voltage Electrode Boilers for Space Heating, Oct 67:52.
New Electrode Heater Eliminates Metallic Contacts, Oct 67:71.

HEATING, INDUSTRIAL

Latest from Europe, Mar 67:14.

HEATING, OFF-PEAK

Details of Off-Peak Electric Hot Water Heating, Apr 67:82.

HEATING, SERVICE WATER

Large-Volume Generation of Service Hot Water, Oct 67:45.
New Electrode Heater Eliminates Metallic Contacts, Oct 67:71.

HEATING, STEAM

Electric-Hydronic Boilers for Steam or Water Systems, Oct 67:92.

HELICOPTER AIRPORTS

Plumbing the Helistop Facility (TAPE), Oct 67:103.

HOSPITALS

A Case for Super-Inteceptor Filters in Hospitals, Sept 67:47.
Closing the Gap between Design and Performance in Hospital Air Handling Systems, Mar 67:111.
Energy for Hospitals, Sept 67:49.
FRP Bathrooms for New Jersey Hospital, Feb 67:75.
Slope-Top Fan Coil Units Give Better Air Flow in Hospital Rooms, Apr 67:93.
Total Energy for Hospital, May 67:G-81.

HUMIDITY CONTROL

Latest from Europe, Feb 67:10.

INCINERATION

Guide to Incinerator Installations, May 67:G-27.
Latest from Europe, Nov. 67:14.

INDUSTRIAL BUILDINGS

Energy for Industrial Air Conditioning, Sept 67:55.
Heat Recovery System Yields Economies at All-Electric Plant, Feb 67:73.
A Panorama of Refrigeration at Kodak, Jan 67:63.

INDUSTRIAL VENTILATION

CO Removal from Compressed Air, July 67:36.
Five Suggestions for Better Ventilating, Apr 67:85.
Latest from Europe, Apr 67:16.

INFRARED

Infrared Transforms the Bus Stop, May 67:G-59.

INSTRUMENTATION

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.

INSULATION

Foam Insulation Solves Multiple Problems in Apartment Building Air Conditioning, Dec 67:81.
Mechanical Insulation Check List for Institutional and Commercial Projects, Jan 67:107.
On-the-Job Pipe Insulation Eases Installation at Power Station, Apr 67:92.
Plastic Foams for Thermal Insulation, June 67:75.

INTEGRATED BUILDING DESIGN

Integrated Building Design: Ducts Through the Vierendeels, May 67:37.

IRRIGATION

Irrigation Deserves Sound Engineering (TAPE), Sept 67:103.

LIQUID STORAGE

Inflatable Tanks Provide Lower Cost Bulk Liquid Storage, Mar 67:113.

LOAD ESTIMATING

Charts Simplify Interior Zone Air Conditioning Design, July 67:55.

MAINTENANCE

Maintenance Costs for Total Energy Equipment, May 67:G-33.

METERING

Turbine Meter Checks Estimates of Total Energy Plant Savings, May 67:G-75.

METERS, HEAT

Latest from Europe, July 67:13.

MOTORS

The New Motor Voltage Ratings, Feb 67:45.

NEW TOWNS

Latest from Europe, Nov 67:14.

NOMOGRAPHS

Nomographs for Quick Equation Solving
- Over-All Heat Transfer Coefficient, Feb 67:55.
- Tube Wall Thermal Resistance, Feb 67:65.
- Nomograph for Bernoulli's Theorem, Feb 67:68.
- Nomographs Speed Pressure Vessel Design, Apr 67:69.
- Pressure Vessel Design by Nomograph, June 67:69.

ODOR CONTROL

Latest from Europe, Dec 67:22.

PACKAGED TERMINAL CONDITIONERS

All-Electric Packaged Terminal Air Conditioners, Oct 67:75.

PACKAGED UNITS

Closing the Gap between Design and Performance in Hospital Air Handling Systems, Mar 67:111.

PIPING

Cavitation, Velocity and Liquid Level, Dec 67:74.
Cost Estimating Building Service Systems
- 13: Earthwork, Mar 67:101.
- 14: Earthwork-Excavation Disposal, Apr 67:73.
- 15: Earthwork-Concluded, June 67:77.
- 16: Yard Service Lines, July 67:47.
- 17: Piping Charts-Asbestos-Cement, Sept 67:59.
- 18: Piping Charts-Cast Iron Bell & Spigot Water Pipe, Nov 67:41.
- 19: Piping Charts-Mechanical Joint Water Pipe, Dec 67:76.

Epoxy Joining for Stainless Steel Pipelines Proves Practical, Economical, July 67:61.
High Temperature Drop and Low Flow Rates Cut Heating Costs, June 67:57.
On-the-Job Pipe Insulation Eases Installation at Power Station, Apr 67:92.
Soil Corrosion of Cast Iron Pipe, Jan 67:88.
Valves in Chilled Water Systems, Mar 67:58.
Valves in Compressed Air and Processed Gas Systems, Mar 67:80.
Valves in Hot Water Heating Systems, Mar 67:63.
Valves in Steam Heating Systems, Mar 67:68.

PIPING, GAS

Gas Engineer's Handbook: Chapter 2-Piping in Buildings, May 67:G-41.

PLUMBING

Britain's Single Stack Drainage System, Apr 67:77.
Display Fountain Design, June 67:65.
Distilled Water (TAPE), Dec 67:95
FRP Bathrooms for New Jersey Hospital, Feb 67:75.
Habitat '67: Hydraulics "Happening", July 67:33.
How to Produce Clean Water (TAPE), Nov 67:85.
Irrigation Deserves Sound Engineering (TAPE), Sept 67:103.
Large Turnout Gratifies Organizers of National Water Research Group, Apr 67:81.
Latest from Europe, July 67:13.
Plumbing for Schools and Universities, July 67:51.
Plumbing the Helistop Facility (TAPE), Oct 67:103.
Specifying Water Softeners (TAPE), Dec 67:98.
Subsurface Drainage, Aug 67:71.
Valves in Plumbing and Fire Protection Systems, Mar 67:74.
Water and Its Treatment (TAPE), Oct 67:110.

PRESSURE VESSELS

Nomographs Speed Pressure Vessel Design, Apr 67:69.
Pressure Vessel Design by Nomograph, June 67:69.

PROFESSIONAL CONDITIONS

Burns and Roe Builds Itself a House, June 67:53.
Design and Supervision Go Hand-in-Hand at Western Electric, Mar 67:85.
The Ideal Architect-Engineer Relationship, Nov 67:37.
The SOM Story, Apr 67:67.

PROFESSIONAL RELATIONS

The Engineer and People in Construction, Apr 67:54.
The Engineer and the Salesman, Apr 67:58.

PSYCHROMETRICS

Coils and Controls for Close Humidity Tolerances, Aug 67:79.
More Bypass Controls, June 67:81.

PUMPING

High Temperature Drop and Low Flow Rates Cut Heating Costs, June 67:57.
Spray Pond Depends on Battery of Pumps, Nov 67:48.

PUMPS

Water Well Pumping Systems, Aug 67:52.

RECHARGE WELLS

Recharge Wells, Aug 67:59.

REFRIGERANT PIPING

Velocity Changes Cause Pipe Sizing Problems, Nov 67:45.

REFRIGERATION

A Panorama of Refrigeration of Kodak, Jan 67:63.
Service for Engine Driven Refrigeration, May 67:G-58.
Velocity Changes Cause Pipe Sizing Problems, Nov 67:45.

REHEAT

Simple Reheat Control, Mar 67:103.

RESTAURANTS

Gasmanship, May 67:G-84.
Baseboard Diffuser Supplies Air to Restaurant, Nov 67:50.

ROOFTOP INSTALLATION

Latest from Europe, Aug 67:12.

SCHOOLS

Individual Furnaces Solve Elementary School's Budget Problem, May 67:G-63.

SNOW MELTING

Automatic Snow Removal System Serves Heavy Snow Area, Nov 67:50.

SOLAR LOADS

Analyzing Sunhood Configurations for Sun Control, Feb 67:41.

SOUND TRAPS

A Solution to the Noise Control Problem, Apr 67:87.

SPANISH HVAC TERMS

English-Spanish Dictionary of HVAC Terminology, Sept 67:69.

SPRAY PONDS

Spray Pond Depends on Battery of Pumps, Nov 67:48.

SPRINKERS

Irrigation Deserves Sound Engineering (TAPE), Sept 67:103.

STEAM GENERATION

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.

STOKERS

How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.

SUBSURFACE DRAINAGE

Subsurface Drainage, Aug 67:71.

SWIMMING POOLS

Sizing Gas Water Heaters for Swimming Pools, May 67:G-36.

TANKS

Inflatable Tanks Provide Lower Cost Bulk Liquid Storage, Mar 67:113.

TECHNICAL SCHOOLS

Directory of Trade and Technical Schools, Nov 67:67.

TERMINAL UNITS

Analysis of Terminal Unit Air Conditioning Systems, (Ref. Sec.), Jan 67:22.
Fan Coil Unit Systems, (Ref. Sec.), Feb 67:49.

TERMINOLOGY

English-Spanish Dictionary of HVAC Terminology, Sept 67:69.

THEATERS

Modern Air Conditioning System for Traditional Japanese Theater, Aug 67:82.

TOTAL ENERGY

Economics of Total Energy Analysis, May 67:G-11.
Gas Turbine Total Energy System, May 67:G-88.
Maintenance Costs for Total Energy Equipment, May 67:G-33.
Total Energy for Hospitals, May 67:G-81.
Turbine Meter Checks Estimates of Total Energy Plant Saving, May 67:G-75.

UNITARY SYSTEMS

Owner-Developer Praises All-Electric Construction, Apr 67:84.

UNIT HEATERS

Equipment Scheduling, Jan 67:109.

VALVES

Valves in Chilled Water Systems, Mar 67:58.
Valves in Compressed Air and Processed Gas Systems, Mar 67:80.
Valves in Hot Water Heating Systems, Mar 67:63.
Valves in Plumbing and Fire Protection Systems, Mar 67:68.
Valves in Steam Heating Systems, Mar 67:68;

VENTILATING

Five Suggestions for Better Ventilating, Apr 67:85.

VENTILATION

Skylight Ventilation Facilitates School Expansion, Sept 67:61.

WARM AIR HEATING

Baseboard Diffuser Supplies Air to Restaurant, Nov 67:50.

WATER CHILLERS

Compressor, Chiller Development Outlined in First of Series of Pre-Show Articles, Oct 67:37.

WATER COOLERS

A Decade of Reciprocating Compressors, Condensing Units and Water Coolers, Nov 67:23.

WATER HEATING

Sizing Gas Water Heaters for Swimming Pools, May 67:G-36.

WATER PURIFICATION

How to Produce Clean Water (TAPE), Nov 67:85.

WATER RESEARCH ASSOCIATION

Large Turnout Gratifies Organizers of National Water Research Group, Apr 67:81.

WATER SOFTENERS

Specifying Water Softeners (TAPE), Dec 67:98.

WATER TREATMENT

Latest from Europe, May 67:12.
Water and Its Treatment (TAPE), Oct 67:110.
Ground Water, Aug 67:39.
Recharge Wells, Aug 67:59.
Terminology (Ground Water), Aug 67:41.
Water Well Pumping Systems, Aug 67:52.
Well Design and Construction, Aug 67:48.

WET SCRUBBERS

Design for Air Pollution Control Cleaning Boiler Flue Gas by Wet Scrubbing, Nov 67:10.
Wet Scrubbers, Aug 67:17.

INDEX BY AUTHORS

Barron, W. R.,-The Facts About Electric Duct Heaters, Oct 67:59.
Bickle, Bill,-How to Produce Clean Water (TAPE), Nov 67:85.
Bisesi, Philip J.,-High Temperature Drop and Low Flow Rates Cut Heating Costs, June 67:57.
Blankenbaker, John,-A Case for Super-Interceptor Filters in Hospitals, Sept 67:47; Engine Drives for Compressors Come of Age, May 67:G-17.
Boyd, Robert L.,-All-Electric Packaged Terminal Air Conditioners, Oct 67:75.
Brief, Richard S.,-CO Removal from Compressed Air, with Robert G. Confer, July 67:36; Five Suggestions for Better Ventilating, Apr 67:85.
Briggs, G. F.,-Terminology (Ground Water), Aug 67:41.
Brown, W. C.,-Charts Simplify Interior Zone Air Conditioning Design, July 67:55.
Burgart, Harold,-Service for Engine-Driven Refrigeration, May 67:G-58.
Callahan, J. J.,-Design and Supervision Go Hand-in-Hand at Western Electric, Mar 67:85.
Caloger, Ion,-Electric Resistance Heating Systems and Controls, Oct 67:55.
Caplan, F.,-Nomographs for Quick Equation Solving, Feb 67:65; Nomographs Speed Pressure Vessel Design, Apr 67:69; Pressure Vessel Design by Nomogreph, June 67:69.
Ceparano, Emil,-Subsurface Drainage, Aug 67:71.
Clarke, Roger A.,-Plumbing the Helistop Facility (TAPE), Oct 67:103.
Cloud, Bob,-Irrigation Deserves Sound Engineering (TAPE), Sept 67:103.
Confer, Robert G.,-See Richard S. Brief.
Constance, John D.,-Condensation in Underground Spaces and Machinery, Sept 67:53.
Cooksey, D. L.,-Optimizing Compressor Operation, Sept 67:42.
Cramer, Tony,-See C. George Segeler.
Cvetan, Joseph E.,-Specifying Water Softeners (TAPE), Dec 67:98.
Diamant, R. M. E.,-Latest from Europe, Jan 67:16; Feb 67:10; Mar 67:14; Apr 67:16; May 67:12; July 67:13; Aug 67:12; Nov 67:14; Dec 67:22.
Eaton, M.,-High-Voltage Electrode Boilers for Speed Heating, Oct 67:52.
Edmunds, Kenneth B.,-Cost of Estimating Building Service Systems-13: Earthwork, Mar 67:101; 14: Earthwork-Excavation Disposal, Apr 67:73; 15: Earthwork-Concluded, June 67:77; 16: Yard Service Lines, July 67:47; 17: Piping Charts-Asbestos-Cement, Sept 67:59; 18: Piping Charts-Cast Iron Bell & Spigot Water Pipe, Nov 67:41; 19: Piping Charts-Mechanical Joint Water Pipe, Dec 67:76.
Edwards, R.,-See J. R. Pneiwski.
Elcock, Charles W.,-Water Well Pumping Systems, Aug 67:52.
Emerick, Robert H.,-Field Report From Users of Electric Heat, Apr 67:83.
Fisher, J. J.,-Mechanical Insulation Check List for Institutional and Commercial Projects, Jan 67:101.
Fisher, W. S.,-Electrical Components for Environmental Control, Oct 67:44.
Foley, W. J.,-Valves in Compressed Air and Processed Gas Systems, Mar 67:80.
Guttman, Karl,-Integrated Building Design: Ducts Through the Vierendeels, May 67:37.
Humes, Durwood,-Ground Water, Aug 67:39.
Jutzi, Alfred C.,-The Engineer and the People in Construction, Apr 67:54; The Engineer and the Salesman, Apr 67:58; Standby Criteria for Computer Conditioning, Apr 67:60.
Karr, L. A.,-See J. R. Pneiwski.
Kehrli, H. S.,-Valves in Plumbing and Fire Protection Systems, Mar 67:74.
Knapp, K. R.,-See C. George Segeler.
Lauman, Richard H.,-Recharge Wells, Aug 67:59.
Maver, T. W.,-Energy for Hospitals, Sept 67:49.
McDermott, Robert H.,-The Ideal Architect-Engineer Relationship, Nov. 67:37.
Meckler, Milton,-Analyzing Sunhood Configurations for Sun Control, Feb 67:41.
Mills, Donald L.,-Fire Protection for Computers, Apr 67:66.
Miner, A. G.,-Fire Protection and Prevention in Man-Rated Pressure Chambers (TAPE), Nov 67:90.
Morgan, L. J.,-Large-Volume Generation of Service Hot Water, Oct 67:45.
Mueller, J. G.,-Electric-Hydronic Boilers for Steam or Water Systems, Oct 67:92.
Mungenast, John E.,-Solid State Controls for Electric Heating, Oct 67:87.
Pantuso, Vincent J.,-Display Fountain Design, June 67:65.
Perez-Nieves, J. A.,-English-Spanish Dictionary of HVAC Terminology, Sept 67:69.
Petro, Joseph S.,-Plumbing for Schools and Universities, July 67:51.
Pneiwski, J. R.,-Burns and Roe Builds Itself a House, with R. Edwards and L. A. Karr, June 67:53.
Poliquin, P. A.,-Habitat '67: Hydraulics "Happening", July 67:33.
Potter, W. G.,-Heating the Building Entrance, Oct 67:63.
Ramsey, Mel,-Specification and Design Seminar-Cavitation, Velocity and Liquid Level, Dec 67:74; Coils and Controls for Close Humidity Tolerances, Aug 67:79; For Maximum Flexibility, Control with Bypass, Apr 67:75; More Bypass Control, June 67:18; On-Off Control Methods That Do the Job, Feb 67:71; Pay Attention to the Humidity Too, July 67:49; Simple Reheat Control, March 67:103; Velocity Changes Cause Pipe Sizing Problems, Nov 67:45.
Reynolds, J. R., Jr.,-Energy for Industrial Air Conditioning, Sept 67:55.
Ricketon, D.,-Analysis of Terminal Unit Air Conditioning Systems (Ref. Sec.), Jan 67:72.
Ryan, J. D.,-Valves in Hot Water Heating Systems, Mar 67:63; Valves in Steam Heating Systems, March 67:88.
Sachs, Samuel,-The SOM Story, Apr 67:67.
Schloerke, Ken W.,-Guide to Incinerator Installations, May 67:G:27.
Schultes, A. C., Jr.,-Well Design and Construction, Aug 67:48.
Sculthorpe, William L.,-How to Design Steam and High Temperature Water Systems (Ref. Sec.), Dec 67:45.
Segeler, C. George,-Gas Engineer's Handbook: Chapter 2-Piping in Buildings, with Tony Cramer and K. R. Knapp, May 67:G-41.
Seelbach, Herman,-A Solution to the Noise Control Problem, Apr 67:87.
Seiler, Ed.,-Design for Air Pollution Control-Cleaning Boiler Flue Gas by Wet Scrubbing, Nov 67:10: Efficiency and Practicality, Sept 67:16; Engineers and the Law, May 67:6; The Manufacturer Views Air Pollution, Dec 67:17; Particle Size is the Key, July 67:8; Preparing for Compliance, June 67:18; Wet Scrubbers, Aug 67:17; Valves in Chilled Water Systems, Mar 67:58.
Sherwood, Peter W.,-Plastic Foams for Thermal Insulation, June 67:75.
Stoecker, W. F.,-Air Flow and Conditioning: Chapter 5-Design of Duct Systems, Mar 67:91.
Swygert, Harold B.,-Equipment Scheduling, Jan 67:109.
Szabo, B. S.,-Details of Off-Peak Electric Hot Water Heating, Apr 67:82; The Economics of Heat Recovery Systems, June 67:59.
Thomas, Roy M.,-Water and Its Treatment (TAPE), Oct 67:110.
Trickler, C. J.,-Simplify Your Calcuations for Quiet Fan Systems, Jan 67:69.
Weening, Jay,-Economics of a Total Energy Analysis, May 67:G-11.
Wilson, Roger P.,-The Engineer's Computer, Apr 67:62.
Winer, Leo,-Distilled Water (TAPE), Dec 67:95.
Wise, A. F. E.,-Britain's Single-Stack Drainage System, Apr 67:77.
Wolfberg, H. A.,-The New Motor Voltage Ratings, Feb 67:45.

Air Conditioning, Heating and Ventilating

200 Madison Avenue, New York, N.Y. 10016